

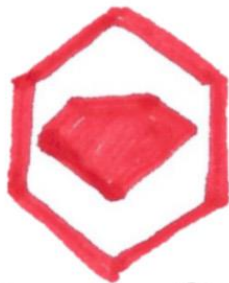
ruby version manager (rvm)
ruby 2.2.2 (current stable version)
berkshelf (manages workbook deps)
virtual box
vagrant
test-kitchen
bundler
chefspec
aws cli



RVM



Ruby



Ruby Gems



VirtualBox

vmware®



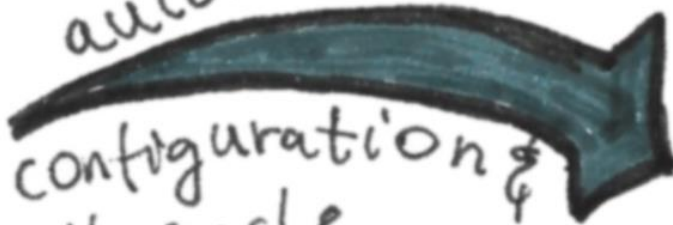
Microsoft
Hyper-V



Vagrant

- + lightweight, reproducible and portable dev environments
- + single file to describe:
 - machine (e.g. ubuntu, windows)
 - software to install
 - configuration

automates
configuration &
lifecycle



VirtualBox

vmware®



Microsoft
Hyper-V



Test-Kitchen

+ test harness tool to execute infrastructure code on one or more platforms in isolation

- creates env
- converges (provisions)
- verifies (tests)

→ Bats
→ RSpec
→ Serverspec

+ Speeds up QA cycle

- CI
- CD

+ Encourages test first



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chefSpec

+ fast feedback since runs in-memory



uses

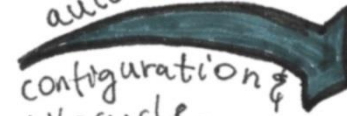


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EC2

- › Bats
- › RSpec
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docker

- + apps are completely portable and can run anywhere
- + abstracts away diffs in OS distros and infra
- + reduces the price of virtualization
- + think isolated processes not VMs



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- innovation & experiments
- chaos monkeys
- upgrading & new platforms
- A/B testing



- Sleep & social time
- deploys at office hours
- less on call firefighting
- devs + ops



- automation
- large sale (10's of thousands pp)
- reproducible
- living documentation